| <del></del> | Index of Claims Application                             |          |          |           |           |        |              |           |    |           |              |          |              |          | n No.               |          |           |          |          |                     |             |        | Applicant(s) |          |          |              |             |           |              |           |          |    |  |             |          |    |
|-------------|---|----------|----------|-----------|-----------|--------|--------------|-----------|----|-----------|--------------|----------|--------------|----------|---------------------|----------|-----------|----------|----------|---------------------|-------------|--------|--------------|----------|----------|--------------|-------------|-----------|--------------|-----------|----------|----|--|-------------|----------|----|
|             | I Malla frati anna anna anna anna anna 1979 (1981 (1981 |          |          |           |           |        |              |           |    |           |              |          |              |          | 10/030,151          |          |           |          |          |                     |             |        |              |          |          | KLEIN ET AL. |             |           |              |           |          |    |  |             |          |    |
|             |   |          |          |           |           |        |              |           |    |           |              |          |              |          |                     | Examiner |           |          |          |                     |             |        |              |          |          |              | rt U        | nit       |              |           |          |    |  |             |          |    |
|             |   |          |          |           |           |        |              |           |    |           |              |          |              |          | G. R. Ewoldt, Ph.D. |          |           |          |          |                     |             |        |              |          | 1644     |              |             |           |              |           |          |    |  |             |          |    |
|             |   |          |          |           |           |        |              |           |    |           |              |          |              |          |                     | <u>\</u> | - ** :    | <u> </u> |          |                     | <del></del> |        |              |          |          | 1044         |             |           |              |           |          |    |  |             |          |    |
|             |   |          | <b>[</b> | A         | alı       | ect    | ed           | 1         |    |           | Ţ            | (1       | Thro         | ngh      | nu                  | me       | ral)      |          | ]        |                     | M           | 20.    | E۱۵          | lected   |          | ]            | П           | Appeal    |              |           |          |    | 1  |             |          |    |
|             | Rejected – (Through null                                |          |          |           |           |        |              |           |    |           |              |          |              | d        |                     |          |           | N NON-E  |          |                     |             |        |              |          |          |              |             |           | 1            |           |          |    |  |             |          |    |
|             | □ Allowed   |          |          |           |           |        |              |           |    | 1         | + Restricted |          |              |          |                     |          | -         |          |          | Interference        |             |        |              |          |          | ОЬ           | jec         | te d      |              |           |          |    |  |             |          |    |
|             |   |          | ٦        | L<br>V    | _         | _      | ξv           | _         |    | L         |              |          |              |          |                     |          | _         | , (      | Ц        | _                   |             |        |              |          | }        | Ц            | <del></del> |           |              | J         |          |    |  |             |          |    |
| f           | Cl  | im       | 1        | Þ         | Di State  |        |              |           | _  | _         | 1 1          |          | Claim        |          |                     |          | _         |          | Date     | ate                 |             |        | $\Box$       | Clair    |          | alm          |             | Date      |              |           |          | _  | _  | ]           |          |    |
| Į.          | Final   | that     | 包        | é         | 1         |        | 1            |           | l  | 1         |              |          | - E          | 78<br>2. | ı                   | ı        |           |          |          |                     | 1           | -      |              |          | al al    | inal         |             | -         |              |           |          |    | ı  | l           |          |    |
|             | Ë   | Ortghad  | 15       | 3         | K.        | K      | 1            |           |    |           | l            | l        | Final        | Original | ١                   | ı        | ı         |          |          |                     | -           | 1      | ١            |          | Final    | Original     |             |           |              |           | 1        |    |  | l           | ļ        |    |
| Ŀ           | _   |          |          | $\vdash$  | L         | f      | H            | ╁╴        | +  | ╁         | ╁            | ┨        | $\vdash$     | 51       | 上                   | ╁        | ┝         | ┞        | Н        | H                   | ┽           | +      | ┨            | }        | _        | 101          | Н           | ┪         | +            | +         | ╀        | ╀  | ╀╌   | ╀╌          | ł        |    |
|             |   | 1        | $\Box$   |           | L         | L      | L            | Γ         | Ţ  | Ţ         | F            | 1        |              | 52       | I                   | T        | Γ         |          |          | $\Box$              | コ           | #      | ╡.           | ŀ        |          | 102          |             | コ         | 1            | 1         | İ        | 1  |  |             | 1        |    |
| <u> </u>    | _   | ╅        | ┢        | ⊢         | ⊢         | ┝      | ┢            | ╁         | ╁  | ╁         | ╁            | ┨        | ├            | 53<br>54 | ╁                   | ╁        | ╁         | ⊦        | Н        | $\dashv$            | +           | +      | ┨            | $\perp$  |          | 103<br>104   | Н           | +         | +            | +         | ╄        | ╄  | ╄  | -           | 4        |    |
|             |   | 1        |          |           | 匚         | 匚      | 匚            |           | I  | I         | I            | 1        |              | 55       | 上                   | t        |           |          |          |                     | $\top$      |        | 1            | t        |          | 105          | H           | 7         | $^{\dagger}$ | $\dagger$ | 十        | t  | ╁  | ┝           | 1        |    |
| -           |   | ┿        | -        | $\vdash$  | ┞         | ⊢      | ⊢            | ╀         | ╀  | ╀         | ╀            | 1        | <u> </u>     | 56<br>57 | L                   | Ļ        | L         | L        | П        | $\dashv$            | 7           | Ţ      | 7            | F        |          | 106          | $\Box$      | $\exists$ | Ţ            | T         | T        | L  |  |             | ]        |    |
| E           |   | 1        |          | Е         |           | L      |              | t         | T  | 十         | ╁            | 1        | ┝            | 58       | ╀                   | ╁╴       | ┢         | ┝        | Н        | $\dashv$            | +           | ┿      | $\dashv$     | H        | -        | 107<br>108   | Н           | ┥         | +            | ┿         | ╀        | ╄  | ╀  | ┝           | 1        |    |
|             |   | I        |          |           | L         | L      | Г            | Γ         | I  | Τ         | L            | ١.       |              | 59       | I                   | L        |           |          |          |                     | コ           |        | 1            | L        |          | 109          |             |           | 1            | İ         | İ        | T  | T  |             | 1        |    |
| ·           | _   | *        | Н        | -         | ┝         | ┝      | ┝┈           | ╀╌        | ╀  | ╀         | ╀            | ł        | <del> </del> | 60<br>61 | ╀                   | ╀        | ╀         | L        | Н        | 4                   | 4           | +      | 4            | F        | _        | 110          | Ц           | 7         | 4            | Ŧ         | F        | T  | L  | Γ           | ] •      |    |
|             |   | 1        |          |           |           |        |              | L         | t  | İ         | t            | j.       |              | 62       | t                   | t        | H         | ┢        | Н        | ┪                   | 十           | +      | ┥.           | 1        | $\dashv$ | 111          | +           | ╅         | +            | ╁         | +        | ╁  | +  | ┝           | ł        |    |
|             |   | 14       |          | 4         | 7         | ļ.,    | L            | Ļ         | L  | 1         | L            | ].       |              | 83       | $\perp$             | L        | L         |          |          | $\Box$              | Ţ           | I      | ]            | F        |          | 113          | $\Box$      | 1         | 1            | I         | I        | Τ  |  |             | 1        |    |
| t           |   | 15       |          | 1         | Ž         | _      | ┝            | ╁         | ╁  | ╁         | ╁            | ╏        | 一            | 64<br>65 | ╁                   | ╁        | ┢         | ┝        | Н        | ┪                   | +           | +      | ┨            | 1        | ᅱ        | 114          | -           | +         | +            | +         | ╀        | ╀  | ╄  | ┞           | ł        |    |
| Ĺ           |   | 16       |          | $\Box$    | 7         | 7      |              | Г         | Γ  | L         |              | <u> </u> |              | 66       |                     |          |           |          |          |                     | 士           | 土      | ╛:           | ٠Ľ       |          | 116          | I           | 1         | $\pm$        | †         | T        | t  | 上  |             | j        |    |
| <b>-</b>    | $\dashv$  | 18       | Н        | +         | V         |        | ⊢            | ┝         | ╀  | ╀         | ┾            | ∮ :      | <del> </del> | 67<br>68 | ╀                   | ╀        | ┝         | ┝        | Н        | $\dashv$            | +           | +      | ┨.           | -        | $\dashv$ | 117          | $\dashv$    | 4         | 7            | Ŧ         | L        | L  | L  | L           | ]        |    |
| <u> </u>    |   | 19       | П        | 7         | Z         | Z      |              | 匚         |    | İ         | İ            | 1        |              | 69       | İ                   | L        |           |          |          | _                   | $\dagger$   | $^{+}$ | ┪            | H        | -        | 119          | +           | ┪         | +            | ╁         | ╁        | ╁╴ | ╁  | ┢           | 1        |    |
|             | _   | 20<br>22 | Н        | Н         | ¥         | $\lor$ | _            | ┞         | L  | L         | Ļ            | Į:       |              | 70<br>71 | L                   | L        | $\Box$    | Ц        | П        | $\rightrightarrows$ | 7           | 1      | ]            | L        |          | 120          | $\dashv$    | 1         | 1            | I         | I        |    |  |             | 1        |    |
| 1           |   | 22       |          | _         | V         | V      |              | t         | T  | t         | ╁            | 1        | $\vdash$     | 72       | ╁                   | ┢        | H         | ┝        | Н        | ┪                   | +           | ┿      | ┨            | $\vdash$ | $\dashv$ | 121<br>122   | $\dashv$    | ╁         | ┿            | ╀         | ╀        | ╀  | ╀  | ┝           | ł        |    |
|             | 4   | 23       | Щ        | Ą         | X         | V      |              |           | Γ  | Γ         |              | 1        | 匚            | 73       |                     | Γ        |           |          |          |                     | 1           |        | 1            | Ė        |          | 123          |             | I         | 1            | $\pm$     | $\perp$  | t  | 士  |             | <u> </u> |    |
| <u> </u>    | -   | 24<br>25 | Ė        | 쒸         | 7         | H      | <del>-</del> | ┝         | ╂╌ | ┝         | Ͱ            | ŀ        | _            | 74<br>75 | ╀                   | ┝        | H         | ┡        | $\dashv$ | -                   | +           | 4      | 4            | -        | _        | 124<br>125   | 4           | 4         | 1            | Ļ         | L        | L  | oxdapprox  |             | Į        |    |
|             |   | 26       |          | コ         |           | V      |              |           |    | L         |              | 1        |              | 76       |                     | t        |           |          |          | _                   | $\dagger$   | +      | 1            | H        | ᅥ        | 126          | ╅           | +         | +            | ╁         | ╁        | ╁  | ┢  | Н           | l        |    |
|             | $\dashv$  | 27<br>28 |          | ┩         | _         | Н      |              | ┡         | ┞  | L         | L            | ] "      | <u> </u>     | 77<br>78 | F                   | L        | Н         | П        | $\Box$   | $\dashv$            | Ţ           | Ţ      | ]            |          | $\Box$   | 127          | $\Box$      | 1         | I            | T         |          |    |  |             |          |    |
| È           |   | 29       |          | $\exists$ |           |        |              | -         | ┢  | ╁╴        | ┢            | ١.       | ┝一           | 79       |                     | ┝        | Н         |          | $\dashv$ | +                   | ╁           | ┿      | ┨            | $\vdash$ | -        | 128<br>129   | +           | +         | +            | ╄         | ╄        | Ļ  | L  | Ц           | ĺ        |    |
| <u> </u>    |   | 30       | $\dashv$ | 4         |           |        |              |           |    |           |              | 1        |              | 89       |                     |          |           |          | コ        | ユ                   | 1           | İ      | 1            | L        |          | 130          | $\pm$       | 1         | 1            | 十         | 十        | ╁╴ | <del>                                     </del> | Н           | İ        |    |
| F           | ┪   | 31<br>32 | $\dashv$ | ┪         | -         | Н      | $\dashv$     | Н         | ⊢  | $\vdash$  | ┝            | ٠        | <u> </u>     | 81<br>82 | $\vdash$            | H        | Н         | _        | 4        | 4                   | +           | +      | <u>.</u> .   | F        |          | 131          | $\Box$      | Ţ         | Ţ            | Г         | Γ        | Г  |  |             |          |    |
|             | $\Box$  | 33       | I        | ゴ         |           |        |              | I         |    | T         | Ш            |          |              | 83       |                     |          | $\vdash$  |          | 7        | +                   | +           | ╁      | ┤¨           | ⊩        |          | 132<br>133   | +           | ╁         | ╁            | ╁         | ╀        | ┞  | Н  | Н           |          |    |
|             | -   | 34<br>35 | +        | 4         | 4         | 4      | 4            | Н         | L  |           | Ц            |          |              | 84       |                     |          |           |          | 7        | Ţ                   | 1           | I      | 1            |          | $\Box$   | 134          | 工           | Ì         | 1            | İ         | Ĺ        |    |  |             | İ        |    |
| E           |   | 36       | 士        | 1         |           | 7      | ┪            | Н         | Η- | Н         | H            |          |              | 85<br>86 | $\vdash$            | Н        | -         | -        | +        | ╁                   | ╀           | ┿      | ┨.           | ┝        |          | 135<br>136   | +           | +         | ╀            | ╀         | L        | L  | Н  |             |          |    |
| F           |   | 37<br>38 | 4        | Ţ         | $\exists$ | コ      | $\Box$       |           |    |           |              |          |              | 87       |                     |          |           |          | 士        | 1                   | İ           | t      | ₫.           | E        |          | 137          | +           | +         | +            | ╁         | $\vdash$ | ⊢  | Н  | Н           |          |    |
| <u> </u>    |   | 39       | +        | ╅         | ┥         | ┪      | $\dashv$     | Н         | _  | Н         | Н            |          |              | 88<br>89 | Н                   |          |           | 4        | 4        | 4                   | $\bot$      | T      | 7            | Г        |          | 138          | Ţ           | Ţ         | Į            | Г         |          |    |  |             |          |    |
|             | $\Box$  | 49       | $\Box$   | 1         | コ         | コ      | コ            |           |    |           |              |          |              | 90       | Н                   | Ξ        | ┪         | ┪        | +        | ╁                   | ┿           | ╁      | ┨            | ⊦        | _        | 139          | +           | ╁         | ╀            | ╀         | Н        | -  | Н  | $\dashv$    | 1        |    |
| ⊢           |   | 41       | 4        | 4         | 7         | 4      | 4            | 4         |    | 1         | J.           |          |              | 91       |                     |          |           |          | 7        | Ī                   | I           | Ī      | •            |          | $\Box$   | 141          |             | Œ         | E            |           |          | Ŀ  |  |             | · -      | ٠, |
| 上           | $\Box$  | 43       | 1        | $\pm$     | 1         | Ⅎ      | $\forall$    | $\exists$ | Н  | $\exists$ | $\vdash$     | 1        |              | 92<br>93 | Н                   | $\dashv$ | -         | +        | +        | +                   | ╁           | +      | 1            | -        |          | 142          | $\bot$      | F         | F            | F         | П        |    | Ц  | $\Box$      |          |    |
| -           | _   | 44       | 4        | Ŧ         | 7         | Į      | 7            | コ         | :  | Ц         | $\Box$       | ļ        | $\Box$       | 94       |                     |          | コ         | コ        | 士        | 土                   | 1           | 上      | 1            | L        |          | 144          | 士           | $\pm$     | T            | $\vdash$  | H        | Н  | H  | $\dashv$    |          |    |
| <u> </u>    | _   | 46       | +        | +         | +         | ┪      | +            | ┥         | ┦  | $\dashv$  | ┥            | ŀ        |              | 95<br>98 | 4                   | 4        | 4         | 4        | -[       | 4                   | Ŧ           | F      |              | F        |          | 145          | Ţ           | Ţ         | T            | Г         | П        |    | $\Box$   | $\sqsupset$ |          |    |
|             | _   | 17       | 1        | Ţ         | 7         | 1      | コ            | コ         |    | コ         | ゴ            | ŀ        | コ            | 97       |                     | 1        | $\exists$ | $\pm$    | $\pm$    | 士                   | T           | 1      | 1            | -        |          | 146          | +           | +         | +            | +         | Н        | -  | $\dashv$   | $\dashv$    |          |    |
| 1           |   | 18       | +        | +         | +         | +      | +            | +         | 4  | +         | 4            | ŀ        |              | 98<br>99 | 4                   | 4        | $\dashv$  | 7        | T        | Ţ                   | L           | Г      |              |          | Ī        | 148          | T           | I         | T            |           |          |    |  | J           |          |    |
|             |   | so l     | 土        | 土         | 1         | 1      | T            | $\exists$ | ╛  | 1         | ヿ            | ŀ        | 寸            | 100      | ┥                   | ┥        | +         | +        | ┿        | +                   | ╀           | ╀      | ł            | ۴.       |          | 149          | ╀           | ╀         | +            | $\vdash$  |          |    | 4  | ╕           |          |    |